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Washington, D.C.

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# Standard Blank Book

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S. E. Ledgers " "

D. E. Ledgers Full Page Form no Units

Long Day Book no Units

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In 150, 200, 300 and 500 Pages

Made in U. S. A.



20561	<i>Phryganella</i>	T 20-30'	Sep. & fil. cream wh.	Mar. 12 edge of woods, <sup>Eastern slope of Paramo</sup> del Patico	2000 - 2600 m.
20562	<i>Psychotria</i>	T 20-25'	Cor. wh, lobes gr. tinged		
20563	<i>Pileocnema</i>	T 15-20'	Pr. purple		
20564	<i>Mikania</i>	V woody	Pappus tawny		
20565	<i>Eupatorium</i> ??	S 0-2 m. T, erect, 6-10'	" "		
20566	<i>Miconia</i>	T 12-20'	Pr. deep purple		
20567	<i>Anthurium</i>	H ter	Spathes bright gr, <sup>shed dark</sup> gr		
20568	<i>Metastelma</i>	V herb.	Reeds y-g.		
20569	<i>Psychotria</i>	T 12-15'	Pr. purplish-bl		
20570	<i>Pleurothallis</i>	H epip.	Pr. light gr.		
20571	Orchid	H epip.	all per. parts light pi., red-spotted		
20572	Moss	On dead logs			
20573	<i>Amphistelma</i>	V herb	Fls. undeveloped		
20574	<i>Centropogon</i>	V woody	Cor. or-pi.		
20575	<i>Stelis</i>	H on rocky bank			
20576	<i>Centropogon</i>	V woody	Cor. bright red.	open hillside	
20577	<i>Gautheria</i>	S 3-4'	Pr. red	edge of woods	
20578	<i>Eseallonia</i>	S 8-10'	Pet. wh.		
20579	<i>Chelodanthera</i>	H 1-3'	Calyx y-g; cor. tub. wh. lobes rich pi., purple	at center within; style & fil. wh.; anther bl.	
20580	<i>Rhododendron</i>	S herb.			
20581	<i>Senecio</i>	V herb	Pappus, florets g-y		
20582	<i>Senecio</i>	V woody	Florets g-y		
20583	<i>Pittacanthus</i>	S herb.	Tube light red, lobes dark		
20584	<i>Juncea</i>	V woody	Pappus cream-wh		
20585	<i>Centropogon</i>	<del>V woody</del> S 1-3'	Cor. red		
20586	<i>Rubus</i>	V woody	Pet. <del>red</del> pink		
20587	<i>Hibaudia</i>	S 10-12'	Pr. red		
20588	<i>Hibaudia</i>	S 8-12'	Pr. pi.; cor. pi. pur., w. dist		
20589	<i>Viburnum</i>	S small tree 10-15'	Fls. black		
20590	<i>Cestrum</i>	S 10-12'	Cor. gr. to purplish		
20591	<i>Centropogon</i>	V woody	Cor. pink-red		
20592	<i>Psychotria</i>	T 12-15'	Pr. purplish		
20593	<i>Miconia</i>	T 15-20'			

2600 - 2900 m.



- 20594 *Brnuelia*  
 20595 *Senecio*  
 20596 (*Carvaceae*)  
 20597 *Weinmannia*  
 20598 *Psychotria*  
 20599 *Eupatorium*  
 20600 (*Muriceae*)  
 20601 *Senecio*  
 20602 *Eupatorium*  
 20603 *Trophocolum*  
 20604 *comp. Eup?*  
 20605 *Baneria*  
 20606 *Baneria*  
 20607 *Baneria*  
 20608 orchid  
 20609 *Psychotria*  
 20610 *Cestria*  
 20611 *Espeletia*  
 20612 *Eupatorium*  
 20613 (*tub.*)  
 20614 *Alsophila*  
 20615 *Viburnum*  
 20616 *Eupatorium*  
 20617 *Columnia*  
 20618 ~~*Baneria*~~ *Begonia*  
 20619 *Odontoglossum*  
 20620 *Xyris*  
 20621 *Enocaulum*  
 20622  
 20623 *Fialium*  
 20624 *Canavalia*  
 20625 *Weinmannia*  
 20626 ~~*Podocarpus*~~ (*myrt.*)

- T 12-15'  
 W. U. fl. pale y.  
 small buds o.  
 T 10-15'  
 T 12-15' con. y.  
 S 10-12' cor. pale y, lobes w.  
 S 8-10' fr. brownish  
 W. U. fl. pale y.  
 S 6-10' cor. + sty. light p. u.  
 buds q. dark r.  
 H. U. m. val. pur.  
 H. U. sep. deep r. pet. o.  
 H. U. sep. + pet. deep r. r. tipped  
 H. U. sep. deep r. pet. light  
 H. U. sep. dotted brownish  
 S 10-12' fr. pur.  
 S 12-15' fr. light q.  
 stems to 3'  
 compact cor. q. w. lobes  
 erect, 5-7' + sty. light p.  
 S 6-10' fr. q. cor. wilted  
 above  
 F. 3-5' + 15 pinnae per side  
 S 6-10'  
 H 2-4' cor. + sty. light p.  
 H 2-3' fr. br. p. to light r.  
 H 3-5' fl. deep r.  
 H terr. per. y. b. spotted  
 at base d.  
 H caespit. heads greyish w.  
 in clump.  
 H caespit. dense  
 S dragging rap. y.  
 S 4-5' heads deeper  
 S 2-3' bran.  
 erect  
 small  
 D 10-12'  
 compact  
 S 6-10'

Mar. 12 edge of woods

eastern slopes of Paramo del Hatico

26-2900

Paramo del Hatico

±2900

edge of woods eastern slope of Paramo del Hatico

26-2900

Paramo del Hatico

±2900

- 20208  
 20209  
 20210  
 20211  
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 20226











- 20693 *Pilea* H succ.  
 20694 *Miconia* S 5-10' under  
 20695 *Anthurium* H herb.  
 20696 *Palicourea* H 1-2', ± woody  
 20697 *Dryopteris* H  
 20698 *Lesneria* H 1-1.5'  
 20699 *Grass* H 5-7', stems erect.  
 20700 *Palicourea* S 4-6'  
 20701 *Moss* On dec. logs  
 20702 *Bamboo* # V herb  
 20703 *Gaultheria* S 4-6'  
 20704 *Passiflora* H  
 20705 *Orchid* H ter  
 20706 *Orchid* H ter  
 20707 *Laelia* H ter  
 20708 *Orchid* H ter  
 20709 *Hep* H 5' high on moist soil  
 20710 *Marchantia* H on forest floor  
 20711 *Moss* " " "  
 20712 *Lichen* On rocks  
 20713 *Elaphoglossum* H  
 20714 *Fruehria* S 2-3' fl. tube red out, pale in.  
 20715 *Calceolaria* H 2-3' Pts red  
 20716 *Bomarea* V herb  
 20717 *Centropogon* S 2-6'  
 20718 *Centropogon* V woody  
 20719 *Cyrtosperma* H  
 20720 *Piper* S 3-4' Spikes green  
 20721 *Diplostaphium* H Rays wh.; fls y.  
 20722 *Comp.* V woody Pappus wh.  
 20723 *Solanum* H 3-4' Cor. wh., anthers y.  
 20724 *Viola* H 10-12' Pet. wh., pt. tinged  
 20725 *Miconia* S 10-12' Bud. wh.

Mar. 13 Wooded valley, Paramo del Hatico (Quindío) +2900m.

Thickets  
open banks

2 seps Cream wh., lip Cr.-w, purple-spotted margin.  
 lined with deep red in; lip densely red-spotted

Woods

open banks

edge of woods western slope Par. Hatico 2800-2900m.  
 (Maracibo drainage)

purple-spotted

open banks  
edge of woods

deep pi.



- 20726 *Begonia* H 2-3' Pet. wh.  
 20727 *Urtica* H 5-7' Pet. fls. gr., stem wh.  
 20728 *Psychotria* S or small tr. 8-12' Spikes green  
 20729 *Elephantopus* H Cor. y.  
 20730 *Flex Symplocos* + 15-20' Viny Pappus wh.  
 20731 *Thibaudia* S 6-10' Or. dry branches  
 20732 *Comp.* Viny  
 20733 *Lichen* " " "  
 20734 " " "  
 20735 *Senecio* V herb Rays y, heads 0-y  
 20736 *Stellaria* H lax Pet. wh.  
 20737 *Anthurium* H lax Spathe gr., spad. purp.  
 20738 *Bomarea* H erect not Sc. deep red, but  
 20739 *Rhododendron* S 2-3' gr. y pump  
 20740 *Rhododendron* S 8-12' Pet. pi. wh  
 20741 *Flex Symplocos* H rep. ter  
 20742 *Polypodium* S 6-10' Cor. gr. wh., lobes  
 20743 *Eupatorium* H up to 2.5' styles pi. - purple.  
 20744 *Atriplex* H Cor. wh.  
 20745 *Comp.* H 2-3' Cor. scarlet  
 20746 *Salvia* V herb Cor. coerulean blue, ant. y  
 20747 *Solanum* H V ped. y. - trip  
 20748 *Exolabus* H 12-15' ant. w.  
 20749 *Sapindaceae* T. 12-15' pet. w.  
 20750 *Cassia* S or small T. 10-15' pet. y.  
 20751 *Scutellaria* H 6-1' cer. blue, lobes deeper  
 20752 *Cassia* T 8-12' ant. yash.  
 20753 *Mimosa* H 1 1/2-2' Cor. wh.  
 20754 *Cordia* S 6-10'  
 20755 *Grass* H  
 20756 *Grass* H  
 20757 *Grass* H  
 20758 *Jilandsia* EH

Mar. 13 edge of woods, Western slope Par.  
 Naticos

2500 -  
 2900m.

open banks  
 edge of woods

woods

thickets, along Pamplona River, north of Pamplona 2100 m.  
 14 field, Pamplona 2340 m.  
 17 open hillside, Valley Rio Pamplona north of Pamplona 2300 m.  
 thickets 1500 - 2000 m.

O.H.

sandy  
 dry stream bed

open woods



- |       |               |  |   |
|-------|---------------|--|---|
| 20759 | Euphorbia     | H  | Br. red prox.   |
| 20760 | Physalis      | H <sup>muc. br.</sup> $\pm 2'$ high                        | Cor. pale blue, brighter dist.                        |
| 20761 | Meriania      | S <sup>8-12"</sup> (very strong)                           | Petrich purp., <del>of</del> anthers wh.              |
| 20762 | Richardia     | V herb   | Cor. wh., anthers brownish                            |
| 20763 | Canna         | H  | Per. bright red                                       |
| 20764 | Euphorbia     | H <sup>Br. subcaudat</sup>                                 | Pet. wh.  |
| 20765 | Vernonia      | H <sup>stem erect, branching above</sup> 4-5'              | Pappus wh.  |
| 20766 | Talinum?      | H <sup>+ succulent</sup> erect, 2.5-3'                     | Fls. light y  |
| 20767 | Comp.         | H <sup>coarse, 4-7'</sup>                                  | Flowers y   |
| 20768 | Umbel.        | H <sup>slender</sup>                                       | Pet. y. wh.   |
| 20769 | Cyperus       | H  |   |
| 20770 | Juga          | T <sup>25-30', crown spreading</sup>                       | Fil. wh., anthers brown                               |
| 20771 | Crotalaria    | H 2-4'   | Pets. y   |
| 20772 | Passiflora    | V herb   | Sterile   |
| 20773 | Myriocarpa    | T 25-30'   | infl. greenish  |
| 20774 | Centropogon   | H <sup>erect, stem subampl.</sup> 2-3'                     | Cor. or. red out, lobes or. red to y; tube & lobes in |
| 20775 | Elaphoglossum | H <sup>ster. fr. prostrate on ground, fertile erect.</sup> |   |
| 20776 | Piper         | S 5-7'   | Spikes wh.  |
| 20777 | Cassia        | H <sup>erect</sup> 2-3'                                    | Pet. bright y   |
| 20778 | Isoloma       | H 3-4'   | cor. r.   |
| 20779 | Momoria       | H <sup>subcan.</sup>                                       | pet. deep w.  |
| 20780 | comp.         | H 2-4'   | cor. p. w., sty. w.                                   |
| 20781 | Piper         | S 4-6'   |   |
| 20782 | (melast.)     | H <sup>woody below</sup> 1 1/2 - 2 1/2'                    | pet. w.   |
| 20783 | comp.         | S 3-5'   | cor. w.   |
| 20784 | Hamelia       | S <sup>erect</sup> 3-6'                                    | cor. o. r.  |
| 20785 | (melast.)     | H 2-3'   | pet. p.   |
| 20786 | Canuelina     | H <sup>succ.</sup> 1-3'                                    | per. light b.   |
| 20787 | Cyathula      | H 1 1/2 - 3'   | per. y.   |
| 20788 | Haplopterus   | F  |   |
| 20789 | Canuelina     | H <sup>+ succ.</sup> pro. 1-3'                             | pet. deep b.  |
| 20790 | Cyperus       | H  |   |
| 20791 | Euphorbia     | H 2-3'   | pet. w.   |

Mar. 17 dry stream bed, Rio Pamplona Valley, <sup>no. of Pamplona</sup> 1500-1800 m. 1

thickets  
woods  
open hillside  
edge of woods

open hillside  
thickets  
edge of woods  
open hillside, vic. Chinácota  
rocky bank  
woods  
open hillside  
18 thickets ~~thicket~~

woods

1500 -  
1800 m. 1

1300 -  
1500m

1350 -  
1400 m.

all these

252

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- 20792 Herb  
 20793 grass  
 20794 *Chera vacifera*  
 20795 *Solanum*  
 20796 *Malvastrum*  
 20797 *Hyptis*  
 20798 *Pyroglossum*  
 20799 *Polygonia*  
 20800 *Pilea involucrata*  
 20801 *Melastroma*  
 20802 *Panicum trichodes*  
 20803 *Acalypha*  
 20804 *Pilea luyaleana*  
 20805 *Asplenium*  
 20806 *Oxalis*  
 20807 *Liclitera*  
 20808 *fungus*  
 20809 *Salvia occidentalis*  
 20810 *Panicum*  
 20811 *Lycopodium*  
 20812 *lep.*  
 20813 *Adiantum*  
 20814 *Eleocharis*  
 20815 *Stanthium*  
 20816 *Triumfetta*  
 20817 *Catalpa*  
 20818 *Adiantum*  
 20819 moss  
 20820 *Solanum*  
 20821 *Urena*  
 20822 *Crotalaria*  
 20823 *Lycopersicon*  
 20824 *Sesuvium*

F.  
 H erect coarse  
 H 4-8' stem 3/4" di.  
 H 1-3' pet. w. ant. y.  
 H 1 1/2-2' pet. y, purple  
 H 1 1/2-2' cor. rich p.  
 F 3-4'  
 H (perhaps decamp) fl. deeper  
 H 1-2' ray + fl. y.  
 H 4-12'  
 S erect, succ. per. y. y.  
 H  
 H pet. fl. p. striped with  
 H 3-4' cor. light p. deep  
 H 2-3' cor. deep red  
 on leaves cor. b.  
 H  
 F.  
 on rocks along stream  
 F.  
 S 4-8'  
 H pet. y.  
 H 3-4' pet. pure y.  
 F.  
 on banks  
 S 3-5' cor. cream w.  
 S 6-8' cor. light y.  
 S 6-8' cor. cream  
 S or small fl. fr. q. ant. w.  
 H 10-20' per. green  
 H W. V. pet. q. w.  
 H V.

Mar. 18 woods

vic. Climacota 1358-1400

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open hillside



- 20825 grass  
 20826 *Lidigophora*  
 20827 *Sichya*  
 20828 *Richardia*  
 20829 *Eugenia*  
 20830 *Comp*  
 20831 *Solanum*  
 20832 *Orecha*  
 20833 *Eupatorium*  
 20834 *Miconia*  
 20835 *Crotalaria*  
 20836 *Metastelma*  
 20837 *Cupira*  
 20838 *Clidemia*  
 20839 *Sauvagesia*  
 20840 *Epidendrum*  
 20841 *Cyperus*  
 20842 *Stenopneulus*  
 20843 *Colinus*  
 20844 *Eupatorium*  
 20845 *Hyptis*  
 20846 *Polygala*  
 20847 *Crotalaria* *tenacolor*  
 20848 *Meibomia*  
 20849 *Cordia*  
 20850 *Cassia*  
 20851 *Calliandra*  
 20852 *Cecropia*  
 20853 *Brachistis*  
 20854 *Myriocarpa*  
 20855 *Rubiacae*  
 20856 *Solanum*  
 20857 *Phaseolus*

- 4-6' deep.  
 H 2' trail  
 H 3-4' pet. p.  
 H V. cor. y. p. g.  
 H V. fr. gr.  
 S 6-10' fr. black  
 S 4-6' fl. white y  
 H 2-3' cor. bright bl., anther y  
 V woody Pet. pink-bl.,  
 standard purp. lined  
 S 2-4' cor. y. w. lobes  
 S 4-8' tall. light p.  
 H low pet. y.  
 H V. cor. y. w. pur. at cen.  
 H pet. p.  
 S 2-4' pet. p.  
 H cor. y. w.  
 H 5' up. o. r. inf. y.  
 H col. o. r. inf. y. dist.  
 H 1' per. g. - p. ting  
 H 2-6' cor. r.  
 H cor. y. w. sunsh. lined  
 H lobes 4-5' pale pur.  
 H cor. w.  
 H pet. br. v. to pink v.  
 H pet. y.  
 H 6-12' pet. deep. p. b.  
 S 2-3' h. cal. light g.  
 S 12-15' pet. y.  
 S or small  
 S 8-12' 25-35'  
 S 4-5' cor. y  
 T 10-15'  
 V herb cor. red, pale at base  
 S 6-8' cor. wh., anther y-g  
 V herb Pet cream-wh to wh

Mar. 18 *woods hill. v. Clinacota* 13-00-2  
 1400

19 edge of woods, bet. Clinacota & Esmeralda  
 1000-  
 1300m. 3



20858	<i>Alcalypha</i>	T 12-20'	
20859	<i>Baccharis</i>	S 12-15'	
20860	<i>Casahuate</i>	T 15-20'	Pet. gr. - wh.
20861	<i>Mimosa</i>	H <sup>±</sup> woody below, 1-3'	Stem, pi.
20862	<i>Bursera</i>	T 25-30'	
20863	<i>Cestrum</i>	T 12-15'	Cor. y-g.
20864	<i>Vernonia</i>	S erect, 3-4'	Cor. g-w, styles pi.
20865	<i>Solanum</i>	S 8-12'	Cor. bl.-pup., anthers y
20866	<i>Crotalaria</i>	S <sup>stem slender,</sup> 5-8'	
20867	<i>Eschites</i>	V herb	Cor. y
20868	<i>Passiflora biflora</i>	V herb.	See notes
20869	<i>Jacquemontia</i>	H vine	Cor. <del>bright</del> light blue
20870	<i>Passiflora ligularis</i>	V woody	Cor. cream-y.
20871	Comp.	V woody	Ray y, pup. striped, florets y
20872	<i>Abutilon</i>	S erect, 3-4'	Pet. pure wh.
20873	<i>Bignonia</i>	V woody	Cor. bright pi.
20874	<i>Machaerium</i>	T 20-25'	Pet. pi.
20875	<i>Elaeagnus</i>	T 25-30'	Pet. salmon. wh.
20876	<i>Cassia</i>	H <sup>±</sup> 1'	Pet. y
20877	<i>Bignonia</i>	V woody	Cor. wh.
20878	<i>Aristolochia</i>	V woody	Tube y-g, pup. - reticulate lobes becoming almost solid purple.
20879	<i>Passiflora perlobata</i>	V woody	See notes
20880	?	T 20-30'	Sep. gr.
20881	<i>Piper</i>	S 6-8'	Plant bright gr.
20882	?	T 12-20'	Calyx y-g.
20883	<i>Eupatorium</i>	S 6-10'	Cor. gr.-wh, lobes obov. pi.
20884	<i>Sejania</i>	V herb	Pet. wh.
20885	<i>Jacquemontia</i>	V herb	Cor. bright blue
20886	<i>Bambusa</i>	S <sup>stem erect</sup> 3-10'	Pet. pure wh.
20887	<i>Passiflora suberosa</i>	V woody	Sep. y-g.
20888	<i>Stigmaphyllon</i>	V woody	Fr. only
20889	<i>Mimosa</i>	S <sup>stem T</sup> 10-15'	St. bluish - pi.
20890	<i>Alternanthera</i>	H <sup>±</sup> erect & much - 6'	Heads wh.

Mar. 19 thickets, bet. Chiriacota & La Esmeralda

1000-

1300 m. 1

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8280S

8280S

1880S

8280S

8280S

1880S

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26/27

NOTAS

CAMERO



- 20891 *Cinchona* T small, 12-20' Cor. brownish-pi.  
 20892 *Securidaca* T Cor. gr. - wh.  
 20893 *Gouania* V woody Fls. gr.  
 20894 *Comp.* S erect, 4-8' Cor. wh.  
 20895 *Roxaceae* T 15-25' Fls. cream  
 20896 ? *Baccharis* T 12-15' Fr. gr., lvs. pur.  
 20897 *Malpighia* S 6-10' pet. g.  
 20898 *Soraulia* W. V. pet. w.  
 20899 *Zizyphus* T small fl. g. y.  
 20900 *Warawickia* T 20-25' fr. br. r.  
 20901 *Ichthanthus* H 5-6'  
 20902 *Eupatorium* *Tournefortia* S subscand cor. w.  
 20903 *comp.* H 4-5' rays y. slightly  
 20904 *comp.* H 4-5' rays y. deeper  
 20905 *Buddleia* S 6-10' cor. y.  
 20906 *Eupatorium* S 8-12'  
 20907 *Mikania* V woody cor. ~~g. y.~~ y. g.  
 20908 *Solanum* V below cor. w. ant. y.  
 20909 *Tagetes* S 3-4' stem erect, unbranched  
 20910 *Clusia* S. gran. towards summit pet. b.  
 20911 *Solanum* H 2-4' cor. w. ant. y.  
 20912 *Eschynomene* H 1-2' pet. y.  
 20913 *Tournefortia* W. V.  
 20914 *Struthanthus* E. S.  
 20915 *Samanea* S erect cor. r.  
 20916 *Ipamea* H V. cor. w.  
 20917 *Ipamea* H V. cor. p.  
 20918 *Stigmaphyllon* W. V.  
 20919 *Piper* S 8-10'  
 20920 *Calyptra* S 6-10'  
 20921 *Cassia* S erect pet. y.  
 20922 *Calliandra* S 7-12-13'  
 20923 *Eclipta* H V. congy.

Mar. 19 Thickets, bet. Chinacota & La Esmeralda 1000-1300 m.

deeper

750-1000m

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- 20990 *Camp.*  
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 20992 *Camp.*  
 20993 *Evolvulus*  
 20994 (*malv.*)  
 20995 (*malv.*)  
 20996 (*malv.*)  
 20997 —  
 20998 *Trinifetta*  
 20999 —  
 21000 *Passiflora*  
 21001 (*rugospl.*)  
 21002 (*radula*)  
 21003 *Scutellaria*  
 21004 *Piper*  
 21005 *Crotalaria*  
 21006 *Zinnia*  
 21007 *Ipomoea*  
 21008 *Cissus*  
 21009 *Turnera*  
 21010 *Acacia*  
 21011 (*amarant*)  
 21012 *Passiflora* *liffora*  
 21013 *Ocalypha*  
 21014 *Harknessia*  
 21015 *Ipomoea*  
 21016 *Cassia*  
 21017 *Ipomoea*  
 21018 *Myrtaceae* *Croton*  
 21019 *Camp.*  
 21020 *Jacquinia*  
 21021 *Cordia*  
 21022 *Ipomoea*

H 1-3' <sup>woody cor & sty</sup> <sup>pure w.</sup>  
 W.U. <sup>fr. br. r.</sup> <sup>seeds jet black.</sup>  
 S 3-5' <sup>ray br. y. cor.</sup> <sup>lobes & sty deeper.</sup>  
 H.U. <sup>fl. pale y.</sup>  
 H 1-2' <sup>cor. pale b.</sup>  
 S 2-3' <sup>cor. pale y.</sup>  
 H <sup>upright, cor. pale y.</sup> <sup>atq. lighter</sup>  
 H 2-3' <sup>pet. q. w. cor. pale y.</sup>  
 H 2-3' <sup>sep. y. y.</sup>  
 H <sup>erect</sup> <sup>milky pet. q. w.</sup>  
 H.U. <sup>juice</sup> <sup>pure w.</sup>  
 H.U. <sup>often prostrate or low-</sup> <sup>climbing</sup>  
 H <sup>in water</sup> <sup>sp. q.</sup>  
 H <sup>of ditch</sup> <sup>pet. & sta. br. y.</sup>  
 S 4-6' <sup>spread.</sup> <sup>aut. pale b.</sup>  
 H <sup>6-10'</sup>  
 S 1-2' <sup>pet. y. sometimes</sup> <sup>stained with deep pur.</sup>  
 H 2-6' <sup>fl. descr. desc.</sup>  
 H.U. <sup>cor. w.</sup>  
 H.U. <sup>bl. q.</sup>  
 H.U. <sup>cor. dark y.</sup>  
 S 6-10' <sup>sta. br. y.</sup>  
 H.U. <sup>s. & p. w. cor. y.</sup>  
 H.U. <sup>15-18'</sup>  
 H 10-15' <sup>pet. & sta. y.</sup>  
 H.U. <sup>cor. rich y.</sup>  
 H 15-25' <sup>pet. y.</sup>  
 H.U. <sup>cor. light p. to w.</sup>  
 H 1' <sup>sta. w.</sup>  
 H 1-2' <sup>beal. w.</sup>  
 H.U. <sup>cor. br. b.</sup>  
 H <sup>spreading</sup> <sup>cor. w.</sup>  
 S 6-10' <sup>cor. rich p.</sup>  
 H.U.

Mar. 22. thicket

vic. Cucuta

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23 and land

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- 21023 *Secundaca* H. 2-2½' pet. w.  
 21024 *Cardiaphennum* H. 12-15'  
 21025 *Bursera* T. 20' crown wide spread  
 21026 *Ficus* T. tr. 1' di. flat top  
 21027 *Echinocactus* (Wood) B.R. None.  
 + 21028 *Coccolobis* T. 10-15' Fls. wh.  
 21029 *Passiflora* H.  
 21030 *Piper* S. 6-8'  
 21031 *Cordia* T. 8-10' pet.  
 21032 T. 20-25' (depress. in trunk, broad margins)  
 21033 *Phorodeudron* E.S. on 21032  
 21034 " E.S. " notes  
 21035 *Passiflora mortifera* H.V.  
 21036 *grass* H.  
 21037 *Croton* S. 2-4' pet. w.  
 21038 *Passiflora* H.V.  
 21039 *Acacia* S. 3-6' star w.  
 21040 *Agave* H. flower stalk erect, 6-18' fl. y.  
 21041 *Mimosa* (Mimosa) H. leaves basal, to 5' l.  
 21042 *Calliandra* T. crown spread  
 21043 *Ipomoea* T. 30-35' star w.  
 21044 *Passiflora suberosa* H.V. cor. p. darker at base in.  
 21045 *Cuscuta* H.V. sep. y. fr. black.  
 21046 S. 4-8' cor. q. y.  
 21047 S. 10-12' cor. light y. lower lip with pur. base in.  
 21048 *Acacia farnesiana* T. 8-15' sta. y.  
 21049 *Croton* S. 3-4' pet. w.  
 21050 *Elythia* H. cor. br. blue.  
 21051 *Spigelia* H.  
 21052 *Heliotropium* H. sub. pro. cor. w.  
 21053 *Opuntia* H. 3-8' per. light y.  
 21054 *Cassia* T. 10-12' pet. pale y.  
 21055 *Acacia* S. 2-5' star w.

Mar. 23 and land vic Cucuta ± 215

act. along city streets.  
 24 edge of clearing, vic La Enta Vey. ± 200 ± 200  
 edge of woods, Valdevramas  
 26 park Maracaibo seg. in yard

Mar. 29 and thickets Curacao  
 and land

max width of leaves 12"

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- 21056 *Sterculia*  
 21057 *Cordia*  
 21058 *Cordia*  
 21059 *Lantana*  
 21060 *Heliotropium barbiflorum*  
 21061 *Cordia*  
 21062 *Haemoloxys*  
 21063 *Acacia*  
 21064 *Cardiospermum*  
 21065 *Lantana*  
 21066 *Erythrina*  
 21067 *Cordia*  
 21068 *Cordia*  
 21069 *Cephaloscypha*  
 21070 *Salvia*  
 21071 *Carp.*  
 21072 *grass*  
 21073 *Prosopis*  
 21074 *Opuntia*  
 21075  
 21076 *Jacquinia*  
 21077 *Capparis*  
 21078 *Passiflora*  
 21079 *Pachira*  
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 21081 *Struthanthus*  
 21082 *Capparis*  
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 21085 *Phoradendron*  
 21086 *Macharium*  
 21087 *Bauhinia*  
 21088 *Passiflora*

H.  $\pm$  woody below  
 T. 1-2' cor. w. pet. deep Mar. 29. and land

S. 2-4' cor. w. r. o.

S. 3-4' cor. w. ting bluish

H.  $\pm$  woody below cor. w.  
 T. 1-1.5' bran. much

T. 12-15' pet. y.

S. 3-5' ant. w.

H. V. pet. w.

S. 3-5' cor. light y.

T. leaves pet. o. star r.

T. before 15-20'

S. 4-5' cor. w.

T. 10-15' bran. cor. w.

T. 4-20' drooping

H. trunk leaves at crown

H. Rang. wh. fl. y

H. T. 12-20' crown infl. g. w.

T. flat topped cor. p.

W. V. T. 12-15' infl. g. w.

T. 15-25' cor. y. w. to y.

T. 12-20' pet. g. out, p. in

T. slender star. prox. p. dist.

H. V. T. 15-20' fr. dry.

T. 15-20' fr. br. g.

E. S. infl. y. g.

T. 20-25' pet. g. y. star w.

T. 15-20' pet. g. y. star w.

T. 10-20' pet. g. y. star w.

T. 8-12' pet. g. w.

E. S. on 21083

T. 25-35' pet. br. o. y.

T. 15-20' pet. y.

H. V. cor. y. g. pet. w.

cholia fr. pur, wat tips, leaves lavender

coastal strip

and land

30 coastal strip

Apr. 2 and land Puerto Colombia Ter. 2

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south of Santa Marta

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- 21089 *Adinocalymna*  
 21090 *Haematoxylon*  
 21091 *Tabebuia*  
 21092 *Oreocanthus*  
 21093 *Acacia*  
 21094 *Haematoxylon*  
 21095 *Stigmapholon*  
 21096 *Cassia*  
 21097 *Securidaca*  
 21098 *Tillandsia*  
 21099 *Tabebuia*  
 21100 (*acanth*)  
 21101  
 21102 *Cassia*  
 21103 *Passiflora*  
 21104 *Cordia*  
 21105 *Funaria*  
 21106 *Haematoxylon*  
 21107 *Acanth*  
 21108 *Tabernaemontana*  
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~~Fl. V. clay.~~  
 W.V. 15-20' fr. only  
 T 25-40' cor. black pur.  
 E.S. 20-25' mft. br. y.  
 T 15-20' pet. y.  
 W.V. 15-20' pet. o. y.  
 W.V. pet. g. w. fr. light y.  
 F.H. 25-30' cor. sunsh. b.  
 S. 5-7' stem slender,  
 erect cor. w.  
 T 8-12' pet. pale o.  
 S. 6-8' fr. only  
 H.V. sep. g. w. out, pale p. in.  
 pet. pale p. corona deep p. at base, paler above  
 D 12-15' cor. cream w.  
 Dr. V. milky cor. g. w. and y.  
 Dr. V. pure corona pure w.  
 T 12-15'  
 H Cor. light pinkish-blue

V climbing over shrubs

Gr. 5. and land. *Conte de Santa Marta* rev.

- 7 Cristobal, C. & -; waste land  
 La Popa  
 Tierrabomba; coastal thicket  
 Turbaco; coastal thicket  
 Los Volcanes; ~~at~~  
 Arjona; sandy soil  
 " edge of field  
 El Roble  
 " "  
 Mutiscua  
 Ret. " o Pamplona Obispo  
 " La Teja o Rio Negro; woods  
 " " " "  
 " " " "  
 Pica-Pica dense wds.



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Pica-Pica dense woods	
Western side Culaga, above Japata' dense woods	
" " " " " <del>thicket</del>	
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" " " " "	
" " " " Thicket	
" " " " "	
Western slope, Par. Hatico, edge of woods	
Eastern " " " Thicket	
Puerto Wilches, edge of woods	
Pet. Nariño & Jambor,	
Western slopes	
Mesa - rocky bank	
Western slopes, Mesa. Marshy soil	
" " " woods	
Mesa; in open	
" marshy meadow	
" rocky cliff	
" dry grassland	
W. slope " Thicket.	
Pet. Pde C. Vegas, wet bank.	
Above Vegas, woods.	
" " open hillside	
Vegas, paramo	
" " "	
Do " paramo	



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21193 *Languisiba*

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21202 *Tobacco*21203 *"balsamio"*21204 *Digitalis*21205 *Malvaceae*

21206 "

21207 *Ruta*21208 *Opoc.?*

21209 ?

21210 *Unit?*21211 *Verbena*

21212 ?

21213 *Languisiba Satoreja*21214 *comp.*21215 *Hydrocotyle*

21216 ?

21217 ?

21218 *Satureja Thibaudii* = 15572a21219 *Chamaefistula "chamaefistula"*21220 *Melia azedarach*

Tree 30-40'

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*Mutiscus*

Cuban plants cult. in Buc. 12/24/26

cult. Buc. "

*Mutiscus* (probably not native)

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Buc. (coll. by Gov. Mantilla)

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22359 *Selaginella triulcata* Asplund det. Somers 1978

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23543 *Selaginella diffusa* (Presl) Spring det. Someno 1978

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